## What is claimed is:

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- A housing structure comprising:
  - a first case including a first inner wall with an extension plate, wherein the length of the extension plate is h; and
  - a second case including a second inner wall with a rib, wherein a notch is defined between the rib and the second inner wall, and the depth of the notch is h;
  - wherein the extension plate engages the notch when the first case is joined with the second case.
- 2. The housing structure as claimed in claim 1, wherein the first inner wall includes an end surface and the extension plate extends from the end surface.
- 3. The housing structure as claimed in claim 1, wherein the first case further includes a first connecting portion, the second case further includes a second connecting portion, and the first connecting portion is joined with the second connecting portion in a separable manner when the first case is joined with the second case.
- 4. The housing structure as claimed in claim 3, wherein the first connecting portion is integrally formed on the first inner wall.
- 5. The housing structure as claimed in claim 3, wherein the second connecting portion is integrally formed on the second inner wall.

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## /Nick/Steve

1	6.	The	hous	sing	st	ructur	e.	as	clair	ned	in	claim	3,
2	wherein	the	fiı	rst	CC	nnect	ing	ŗ	ortio	on	inc	cludes	a
3	positioni	ng p	late	and	a	hole	fo	rmed	d on	the	pc	sition	ing
4	plate.												

- 7. The housing structure as claimed in claim 1, wherein the extension plate is integrally formed on the first inner wall.
- 1 8. The housing structure as claimed in claim 1,
  2 wherein the rib is integrally formed on the second inner
  3 wall.
  - 9. The housing structure as claimed in claim 1, wherein the first case is substantially provided with a uniform cross section.
    - 10. The housing structure as claimed in claim 1, wherein the second case is substantially provided with a uniform cross section.
      - 11. A housing structure comprising:
      - a first case including a first inner wall with a Z-shaped end surface, wherein an extension plate is formed on the Z-shaped end surface, and the length of the extension plate is h; and
      - a second case including a second inner wall with a rib, wherein a notch is defined between the rib and the second inner wall, and the depth of the notch is h;
      - wherein the extension plate engages the notch when the first case is joined with the second case.

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- 12. The housing structure as claimed in claim 11, wherein the first case further includes a first connecting portion, the second case further includes a second connecting portion, and the first connecting portion is joined with the second connecting portion in a separable manner when the first case is joined with the second case.
  - 13. The housing structure as claimed in claim 12, wherein the first connecting portion is integrally formed on the first inner wall.
- 14. The housing structure as claimed in claim 12,
  2 wherein the second connecting portion is integrally
  3 formed on the second inner wall.
- 1 15. The housing structure as claimed in claim 12, 2 wherein the first connecting portion includes a 3 positioning plate and a hole formed on the positioning 4 plate.
- 1 16. The housing structure as claimed in claim 11, 2 wherein the extension plate is integrally formed on the 3 first inner wall.
- 17. The housing structure as claimed in claim 11,
  wherein the rib is integrally formed on the second inner
  wall.
- 1 18. The housing structure as claimed in claim 11, 2 wherein the first case is substantially provided with a 3 uniform cross section.

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19. The housing structure as claimed in claim 11, wherein the second case is substantially provided with a uniform cross section.